Binatone CARRERA

DRIVE LIKE A LOCAL

user guide
C350

IMPORTANT

Satellite signals are required for this product to function in Navigation Mode.
There may be occasions within your home or surrounding area when the signal strength is limited and Navigation Mode may not be possible.
This is quite normal for products of this type. If you experience difficulty in receiving a signal in your car you may need to use an external antenna (optional).
You can check the number of satellite signals that the unit is receiving and the strength of those signals by viewing the GPS Receiver.

Unpacking your Binatone Carrera C350

In the box you will find

- GPS navigation device
- Car mounting kit
- In-car charger
- USB cable *
- Stylus pen
- User guide

Keep the packaging materials in a safe place in case you later need to transport the unit.
Keep your sales (till) receipt, which is your guarantee.
Before you can use the unit, you'll need to fully charge the battery as described on page 6, please also read the notes on the page 3.

WARNING:
Your GPS device operates under open sky conditions in order to receive a satellite signal.
Please ensure that you are not using the device indoors or in areas where the satellite signal is weak. For the first time of use or after a few days of no use, it may take upto 10 minutes to acquire a satellite signal. It is recommended to be stationary during the start up process.

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* USB cable can be either used to charge your device with your computer or update your system (latest map and software, latest safety camera information) via your computer and the internet (updates are payable).

Safety

The Global Positioning System

The Global Positioning System (GPS) is a satellite based system that provides location and timing information around the globe. GPS is operated and controlled under the sole responsibility of the Government of the United States of America, who are responsible for its availability and accuracy. Any changes in GPS availability and accuracy, or in environmental conditions, may impact the operation of your **Binatone Carrera** Personal Navigation Device (PND).

Using Your PND in the Car

When using your PND while driving it is essential that you drive with due care and attention. Never modify the settings or program your PND while driving. Only look at the PND map when it is safe to do so. Only follow the PND instructions when the road regulations allow you to do so. When mounting the PND in your car make sure that it does not obscure your view or impede the operation of any driving controls.

Prohibited Areas

Do not operate your PND in hospitals or near any electrical medical equipment.
Do not operate your PND in aircraft.

Battery

Your PND uses a Li-ion battery. Do not use it in humid, wet or corrosive environments. Do not operate or store your PND in high temperatures (>60℃) or in direct sun light. Do not pierce or break the battery casing.

Failure to follow these cautions will invalidate the warranty and may cause the battery to leak acid, become hot, explode or ignite and cause injury or damage.
If you come into contact with leaked battery acid wash the contact area thoroughly and seek medical attention.

The Li-ion battery contained in this unit must be recycled or disposed of properly. Do not dispose of in household waste or burn.
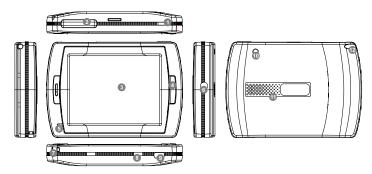
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Getting Started

This device combines GPS function and photo viewer. Before you begin to install and use this product, please read this manual carefully for fully exploiting the functions of this product. If you experience any problems, go through the user guide before contacting the customer helpline.

Position of the controls

1. Power Button
2. SD Card Slot
3. Touch Panel
4. Menu Button
5. Indicator Light (When it charges the red light will be on; when fully charged the green light will be on.)
6. Headphone Jack
7. Strap Hole
8. Battery Switch (For leaving long term unused, switch it to off. Or, switch it to off and on for reset.)
9. USB Port
10. External GPS Antenna Port
11. Speaker
12. Stylus Pen/ Slot (Slides the stylus pen out of the slot for operation.)

Battery Consuming

The device is integrated with a 1000mAH/ 3.7V Li-polymer battery. It can be used for about 3 hours for GPS function.

The battery icon shows at the right upper corner of the display.

means the battery capacity is full.

means the battery capacity is 80% left.

means the battery capacity is 60% left.

means the battery capacity is 40% left.

means the battery capacity is 20% left.

You can also go to Settings/ Power Status item to know the specific percentage of remaining battery capacity.

Display shows "Low Battery!" message automatically in weak battery status. When battery capacity leaves 15%, the message will be shown for 2 seconds. However, when electric charge leaves 5%, the message will keep showing on the screen until the user shuts down or the electricity is run out.

Charging the Battery

Before using your PND for the first time, we recommend you to charge the unit for 5 hours via the USB cable or 2 hours via the car charger in order to charge the battery.

Plug the USB cable or the car charger into the USB socket ⚡ .

When you use the PND in your car, we recommend that you always use the car charger in order to maintain the battery level.

*Disclaimer: some laptops could have insufficient power through the USB port and could lead to damage your laptop USB port. Binatone Carrera will not be held in any way responsible for the damages caused to any laptop by charging the device through the laptop USB port

*Charging via USB cable will be faster when the unit is powered off.

When the device is connected to car charger the battery icon will become . The LED indicator on the front of the unit will blink in red.

When the battery is fully charged, and the car charger is still connected, the icon will be . And the LED will be in green color.

Car Adapter

When using your PND in the car we recommend that you always use the in-car charger to power the unit, especially on long journeys.

Plug the in-car charger into the USB socket of the unit. Plug the other end of the adapter into the car's cigarette-lighter / 12V DC socket.

External Antenna (sold separately)

If the GPS receiver fails to acquire a valid signal when mounted in your car it may be due to a heat reflecting coating or heating elements in your windscreen. In these cases use an external antenna.

The antenna has a magnet and can be positioned in various locations in or outside your car to obtain the best signal reception. Push the antenna into the socket on the rear of the unit until it clicks into place. Then position the antenna so that you receive a valid signal.

Position the antenna on the roof of your car

Plugs into the back of the PND

*External Antenna Optional

Additional maps and upgrade:

Please visit on www.binatonecarrera.com website for more information.

Switching On/ Off

NOTE: For the very first time using the unit, you have to switch the Hardware Reset Switch to ON with the stylus.

Press the Power Button for 3 seconds to turn the unit ON; you will see the figure below to warn you about driving safety. Tap on the button to continue.

For driving safety,
do not adjust the setting
or operate this device while driving.

When the Hardware Reset Switch is at ON position, press the Power Button for 3 seconds to turn the unit on. The following screens will be displayed, and the unit is ready to be used. Tap on an icon to enter the function.

Press the Power Button for 3 seconds to turn the unit into Sleep Mode.
Press Power button for 5 seconds to wake up the device, then display shows the status before entering Sleep Mode.

SD Card Installation

If you have a SD or MMC memory Card, you may install it to extend the storage capacity of the unit, or to view the photo saved on the card. When installing it can only be fitted one way – the wording face towards you and the cut-off corner at the bottom as shown. Insert the card in and push it in so that it clicks in place.

Insert a SD card into the slot, and you will see the message as below.

If you need to remove the card, push the card in and it will eject from the slot. And you will see the figure below.

Note: the card slot can also be a card reader, refer to the following section to operate.

Connect to PC

You can connect the unit to PC for transferring data. Insert a SD/ MMC card to the card slot, you can use the unit as a card reader.

1. Power on the unit.
2. Plug B-type end of the supplied USB cable to the mini USB port of the unit, and plug the other end to your computer.
3. The system will try to recognize and connect the device; the display will show as the figure below.

4. And now you can find 2 new USB devices in My Computer. The second device represents the memory card slot, only available when a SD/ MMC card is inserted. Copy or move the data needed between your PC and the unit.

Photo

This device supports jpg, bmp, png, gif formats (up to 12MegaPixel file). Enter "Photo" function to see thumbnails for all the photo files.

Note: press Menu button to go back main menu.

If you see an icon on the list, it means that photo is unsupported. Tap on a photo you want to view, and then you can tap on the left or right triangle to view the previous or next photo.

To view pictures (bmp and jpeg formats only) from a SD card:
1) Copy all the pictures you want to view into the SD card.
2) Insert the SD card into the slot. In Photo thumbnails list, tap on "SD Card" folder to enter.
3) You will see thumbnails of photos on the card, view and operate as you do to photos on unit.

Tap on the photo, you will see Exit and More buttons on the upper and lower corner of right side. Tap on button to go to previous level menu. Tap on button to open the Tool Bar. After 5 seconds idling, the buttons and the tool bar will disappear, tap the photo again to see and operate the buttons.

Slideshow

Tap on the button to view the photos show one by one automatically.

After tapping on the button, slideshow tool bar will prompt instead.

- Tap on button again to stop slideshow.
- Tap on button to set the slideshow interval among 2, 3, and 5 seconds.
- Tap on button to mute the touch tones.
- Tap on button to adjust the touch tones.

Rotate

Tap on button to rotate the current photo.

- Tap on the button again to rotate the photo by 90 degree clockwise again.
- Tap on button to restore the photo and zoom in.

Zoom in

Tap on ⊕ button to zoom in the photo.

- Tap on the ⊕ button to zoom in.
- Tap on the ⊖ button to zoom out. When the photo is zoomed in, you can tap and drag it to view the part you need.
- Tap on ▭ button to restore the photo.

Note: when the zoom in or zoom out limitation is met, the zoom in/ zoom out button will become in gray color and not selectable.

Settings

NOTE: You do not need to enter the **Settings** menu before you start to navigate. Tap on the **Settings** icon on the **Main Menu**, the following screen is displayed.

To exit this page, tap on the Exit button at the upper-right corner of the screen.

The and button means there are more options available. Tap on one of them to scroll the list to find out the other options.

Note: when there is no option above/ below, the / button will become in gray color and not selectable.

Volume

Press 'Volume' you can modify the volume level of the voice prompts. You can increase or

decrease the level by clicking or . Click to mute.

You can also check or un-check the blank of Touch Tones, to enable or disable the beep sound when you touch the screen.

Note: when the minimum or maximum volume level is met, the volume down/ volume up button will become in gray color and not selectable.

Display

Tap on the Display option to enter display submenu. There are 3 items to adjust: Brightness, Backlight Timeout, and Screen Calibration.

Brightness: With this item, you can change the brightness of the screen. Adjust it darker or brighter by tapping ◀ or ▶ button.

Note: when the minimum or maximum brightness level is met, the level down/ level up button will become in gray color and not selectable.

Backlight Timeout: Select an option to set idling time to shut down the display to save battery consuming. If you want it to display continuously, select "Never".

Screen Calibration: This function calibrates the unit to respond to your screen taps. You will need to use this function only if the unit begins to respond inconsistently to your screen taps. Tap on ✔ button to start.

Follow the on screen directions to tap on the center of the cross to calibrate. When the steps are done, you will see the second figure, tap on screen to save and apply the new calibration.

Language
Tap to select a language from the list to suit your need.

Power Status
Enter this filed to know the battery status.

While charging, the status will be in motion, and noted "Charging".

If the battery is fully charged and the USB cable is still connected, the display will show as the figure below.

Restore
This field is for you to restore the settings to default values. When necessary, tap on "Restore" item to enter.

Tap on button to restore all the setting values. After the procedure is done, the "Finished!" message will prompt.

Or tap on to cancel and exit.

System Info
Tap on System Info to know the information of the unit and the inserted memory card. There are 2 items to read: Device and Storage.

Devices: The Devices page shows information about your software versions and capacity of the embedded memory.

Storage: The Storage page tells the total capacity and free capacity of your storage card (if installed) and the flash disk. If no storage card is installed, the information will show as N/A.

Firmware Upgrade (advanced feature)
You can upgrade the firmware of the unit for better performance or/ and more functions. Follow the steps below to do so.
Note 1: only advanced users are recommended to operate this feature.
Note 2: before upgrading, please make sure that the battery capacity if filled, or power the unit with the car charger to ensure the upgrading will not be corrupted.
Note 3: do not remove the memory card during upgrading!
Note 4: please visit on www.binatonecarrera.com website for more information.

1. Download the firmware file from our website. Uncompress the file and copy it to a SD/ MMC memory card. Insert the card into the card slot of the unit.
2. Tap to enter this field; you will see the figure as the second below.

3. To start to upgrade, tap on the [✓] button. The unit will restart automatically and the "Upgrading…" message will prompt. In some seconds, "Finished!" message will prompt after the upgrading is done.

4. If the upgrading is failed, you will see the below figure, shows "Failed!" message.

GPS FUNCTION

You have chosen a cutting-edge navigation system. Congratulations! Please enjoy using it. Binatone Carrera is embedded as Global Positioning System in this unit. This navigation system leads you straight to your destination, whether you are traveling by car or on foot. You can navigate and plan your route with an easy-to-use and intuitive interface, just by using your finger or the stylus. You can also use this application to plan your trip to suit your personal preferences and interests and to save interesting destinations before you set off on your journey. This manual leads you through the main features of the system.

Introduction of Binatone Carrera

Binatone Carrera is a navigation system optimized for in-car use. It provides door-to-door navigation for both single and multi-point routes using adaptable route parameters. Binatone Carrera is capable of planning routes throughout the whole installed map set. Unlike some other products, Binatone Carrera does not require that you change maps or switch to a poorly detailed general map to navigate between map segments or countries. You always have complete freedom to go wherever you wish. Just select your destination and go.

Note: the position information obtained from the GPS receiver will not be transmitted anywhere, so others will not be able to track you by the help of this program.

Safety Instructions

- The driver's attention should always be on the road. If you are the driver of the vehicle, we do not recommend you to operate this unit while driving. Plan your route before departure and pull over if you need to change route parameters.
- Binatone Carrera has a built-in Safety Mode that will prevent you from using the screen functions if your car is in motion. Unless a passenger will be the only one to operate Binatone Carrera, we strongly encourage you to turn on the Safety Mode.
- It is also important that you look at the display only if it is absolutely safe to do so.
- You should always observe traffic signs and road geometry before obeying instruction from Binatone Carrera.

Getting Started

Please make sure that the battery in your device is fully charged, or use the car charger to power on the PND device.
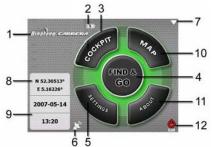
- Connect the external antenna for better reception. (the external antenna is optional)
- Install or place your PND device in a location with an unobstructed view to the sky. (In a car this will usually be on the dashboard.)
- Switch on the unit and choose GPS.

It may take up to some minutes to establish the first connection. Subsequent connections will be faster (30 seconds to 1 minute), but if you have not used the unit for days or are far away from the last location where you used it, it may take up to 10 minutes again to find a strong signal.

Main Menu

Binatone Carrera starts by displaying the Main menu. This is the root of the screen hierarchy, but you need to return here very rarely while using the program. Screens are also accessible from each other to reduce the number of actions needed to initiate a function or change a setting.

Most parts of the program are directly accessible from here by using the buttons described below.

1. Binatone Carrera
2. Battery Status indicator
3. Button to open Cockpit screen
4. Button to open Find menu
5. Button to open Settings
6. Button that displays GPS Status and opens the GPS Data screen
7. Button to shut down and exit Binatone Carrera
8. Current position
9. Current date and time
10. Button to open Map screen
11. Button to open About screen

About Screen

Tap About on the Main menu screen to open this screen. The About screen is not used in normal navigation. It is there to inform you about the map licenses you have, the creators of Binatone Carrera and the legal aspects of using the program.

Map Screen

Cockpit Screen

No.	Display	Control
1	(Cockpit only) Turn preview*	Opens Route menu*
2	🔍➕	Zooms in (optional)
3	🔍➖	Zooms out (optional)
4	⬇	Tilts down (optional)
5	⬆	Tilts up (optional)
6	Follow Indicates that Lock to GPS position and heading is inactive	Re-enables Lock-to-Position / Smart Zoom
7	Selected map point (Cursor)	Opens Popup Info and Cursor menu
8	(Map only) Map scale	Zooms in/out by dragging
9	Menu Button	Go to Main Menu (Find, Quick, Route, Main)
10	Map orientation and Overview	Switches North-up, Track-up and Overview
11	GPS position quality	Opens GPS Data screen
12	Battery status	Opens settings
13	Sound on or muted	Enables/disables muting
14	Track Log recording or playback	Opens Track Logs screen
15	n/a	Opens Cursor menu
16	(Cockpit only) Current street	Opens Route Information screen
17	(Cockpit only) Travel and Route data**	Opens Route Information screen
18	(Cockpit only) Distance to next turn***	n/a
19	(Cockpit only) Next street***	n/a
20	(Cockpit only) Approaching next turn****	n/a

* On Map screen only when a route is active

** Contents differ when a route is active

*** Appears only when a route is active

**** Appears only when a route is active and the next turn is near

Explanation of map display contents and features

No. 1 - Turn preview

On the Cockpit screen this field shows a graphic illustration of the next manoeuvre. For example when you approach a turn, an arrow will show whether it is a slight, normal or sharp turn. When showing a roundabout, the number of the exit is also given in the picture.

This field also serves as a button. Tap it to get to the Route menu. The Map screen will show a button called Route here if there is an active route. This also leads to the Route menu.

No. 2 & 3 - Zoom in and out

These semi-transparent buttons are only displayed if "Zoom & Tilt" is enabled in the Quick menu. Zoom will change the scale of the map. Zoom out shows a larger part of the map, while Zoom in shows a smaller part of the map in more detail.

The automatic Smart Zoom function will do the necessary zooming for you when navigating (zooms out if the next turn is at a distance to let you see far ahead and zooms in when approaching a turn to give you a better view of the upcoming manoeuvre). If you manually change the zoom level, Smart Zoom will no longer scale the map by itself (automatic tilting and rotating remains active). Tap the Follow button to return the zoom control to Smart Zoom. You can also set Binatone Carrera to do this automatically after a few seconds in case of the Cockpit screen.

No. 4 & 5 - Tilt up and down

These semi-transparent buttons are only displayed if "Zoom & Tilt" is enabled in the Quick menu. This function modifies the vertical viewing angle of the map in 3D mode. You can change the angle in a wide range starting from a top down view (2D view is seamlessly integrated) all the way to a flat view that lets you see far ahead.

The automatic Smart Zoom function will do the necessary tilting for you when navigating (gives a flat view if the next turn is at a distance to let you see far ahead and raises the angle when approaching a turn to give you a better view of the upcoming manoeuvre). If you manually change the view angle, Smart Zoom will no longer tilt the map by itself (automatic zooming and rotating remains active).

Tap the Follow button to return the tilt control to Smart Zoom. You can also set Binatone Carrera to do this automatically after a few seconds.

No. 6 - Follow mode - lock to GPS position and heading

This semi-transparent icon is displayed if GPS position is available, and the map has been moved or rotated. It also appears when you scale or tilt the map while Smart Zoom is enabled.

Follow

Normally Binatone Carrera positions the map to keep the GPS position visible somewhere on the map (when North-up orientation is selected), or always at the bottom centre of the map (when Track-up orientation is selected).

If you manually move the map, it will freeze the map in the new position. To return to the GPS position, use this Follow button.

Rotating the map in any direction will only freeze the orientation of the map, but it keeps on moving to keep the GPS position visible. Use Follow to return to North-up or Track-up orientation (the one previously selected).

When Smart Zoom is enabled, scaling or tilting the map also stops the automatic zooming or automatic tilting respectively. To reactivate Smart Zoom, tap this button.

Tip: In Advanced settings you can set a delay time after which Binatone Carrera pushes the Follow button for you on the Cockpit screen automatically. This can be turned on for re-enabling both Lock-to-Position and Smart Zoom.

No. 7 - Cursor

As described earlier, if you tap the map somewhere or select one specific item in Find, it will become the selected point on the map, marked with a small red dot and radiating red circles to make it conspicuous. You can use this point as starting point, via point or destination for your route, you can search for a POI near it, mark it with a pin, or save it as a POI.

Note: When GPS position is available, the Follow button will appear indicating that you have disabled Lock-to-Position. Tapping the Follow button will re-enable the position lock and move the cursor back to the current GPS position. The same happens when Binatone Carrera restores Lock-to-plsition automatically on the Cockpit screen, if it is set in Advanced settings.

No. 8 - Map scale

The scale indicator is only available on the Map screen. In 2D map view it represents the scale of the map. In 3D view it is the scale of the nearest part of the map only.

50m   100m

You can use it in both 2D and 3D modes to scale the map. Drag and pull it right to zoom in, or left to zoom out.

No. 9 - Menu

This button opens the Menu with the Find engine, the Quick menu, the Route menu and the exit button that takes you to the Main menu screen.

Menu   Menu

No. 10 - Map orientation and Overview

You can view the map screens in three different presentation modes. This switch will cycle through them in the following order.

: The usual map orientation for navigation is Track-up. It means Binatone Carrera rotates the map during navigation to always face the direction of your travel. In this mode an arrow (compass) points towards North.

⚊ : Tap this icon to switch to North-up mode. Now the map is fixed to keep facing North. The icon changes to show the new rotation mode.

Tap the icon again to enter Overview mode. This mode looks similar to the North-up mode with one difference: the zoom level in this mode has a fixed default to give you a better look of where you are on the map. You can change the zoom level at any time, this will not cause the Follow button to appear, but when entering Overview mode later, the default zoom level will be restored.

The arrow representing your position will be fixed in the middle of the screen. When you move the map in Overview mode, the Follow button will appear, and when pushed, it will move the map to have your current position in the middle of the map again.

You cannot rotate the map in Overview mode. This mode is strictly north-up.

You can set up Binatone Carrera so that it will switch to Overview mode during navigation when the next turn is far away. You can specify this distance and the fixed zoom level of Overview in Advanced settings.

An aeroplane icon ✈ indicates Overview mode. Tap the icon again to return to Track-up (automatic rotation) mode.

No. 11 - GPS position quality

Similarly to the icon found on the GPS Data screen (Page 34), the map screens also inform you about the GPS signal:

⚊ : The black satellite dish with the red exclamation mark shows there is no connection with the GPS receiver. GPS navigation is not possible. Devices with a built-in GPS receiver are permanently connected, so this icon may not appear under normal circumstances.

⚊ : Red shows there is a connection, but the signal is too weak to give a position. GPS navigation is not possible.

⚊ : Black shows there is a GPS position, and navigation is possible. When only one arc is shown, the position is 2D (no altitude available), and position error may be significant, yet Binatone Carrera is ready to navigate.

⚊ : A black dish and two arcs represent a 3D GPS position. Binatone Carrera is ready to navigate.

⚊ : When small car symbols are displayed under the dish, TMC information is available.

No. 12 - Battery status

The status of the battery is also shown by Binatone Carrera. You can estimate the available power reserve from the length of the bar inside. Some examples:

⚊ : The thunderbolt in the battery shows the battery is being charged.

⚊ : Battery is not charging, but it is at full capacity.

⚊ : Battery in not full, but there is sufficient reserve capacity.

: When the inside of the battery turns red, the battery needs recharging.
Note: Binatone Carrera cannot display the battery status of the GPS device unless it is built into the PDA and uses the same battery.

No. 13 - Sound muting

By tapping this button you can quickly mute all sounds of the unit. This will not modify the volume level and the enabled or disabled status of the voice guidance or the key sounds, just mutes the

sound output. When muting is enabled, the speaker icon is crossed out .

Tap again to re-enable sounds .

Note: Sound can be muted in Sound settings, too. There you have a Master switch that works together with the switch described above. There is also a Master slider on that screen. That you can use to fully turn down the volume of the device. Setting the volume low is different from muting, therefore it will not show up on the mute indicator.

No. 14 - Track Log recording/playback indicator

When a track log is being recorded, a red icon is displayed on the map screens. This icon also functions as a button leading to the Track Log screen where you can stop the recording or make

the track log visible on the map .

During track log playback a green icon will blink. Tapping this icon (in fact, tapping the screen

anywhere) stops the simulation .

No. 15 - Cursor menu

The Cursor is the selected point on the map (marked by a red dot and radiating red circles around it), or the current GPS position when it is available and Lock-to-Position is enabled. When you tap the screen to place the Cursor, the Cursor menu pops up automatically to give you the list of possible functions you can use the Cursor for. At the same time Popup Info (street name, house number and the list of POIs nearby) appears near the selected map point if Popup Info is enabled in the Quick menu.

If you do not use the Cursor menu in a few seconds, it will automatically vanish back to the bottom of the screen, and Popup Info disappears, too. You can have them reappear by reopening the Cursor menu using the arrow in the bottom right corner. When you open the menu manually, it will stay on until you close it or switch to another screen.

Tip: If you want to see the map around the Cursor, close the Cursor menu and reopen it. When this menu is opened manually, the map is always moved to have the cursor in the centre.

The content of the Cursor menu depends on the screen (Map or Cockpit) and it is slightly different if there is an active route already planned. You have the following options:

• Start: use the Cursor as the departure point for your route. This menu point is available only in Map mode and when there is no active route. In Cockpit mode the departure point of the route is always the GPS position or if it is not available, the last known GPS position.
• Route To: use the Cursor as the destination of your route. This button is to start a new route. The previous route (if it exists) will be deleted and replaced. If a multi-point route is active, Binatone Carrera

will ask you whether you really want to delete it together with all its via points.

- **Add Via**: by inserting the selected map point as a via, you instruct Binatone Carrera to cross this location before the destination of the route. This is the way to build a multi-point route in reverse order (when you wish to insert a stopover 'go to A but first get some fuel at B' or want to influence the direction of the route). This menu point works only if a route is already active.
- **Remove Via**: removes the 'via point' near or at the Cursor. The route will be recalculated immediately excluding the deleted point. This menu point replaces Add Via and is available only if the Cursor is near or at a via point.
- **Continue**: add a new destination to be reached after the previous destination. The new destination replaces the old one, which is now demoted to a via point. This is the way to build your multi-point route in straight order (when you wish to visit several destinations 'go to A then to B'). This menu point is available only if a route is already active.
- **Pin**: push a coloured pin in the map at the selected point for later use. This pin is visible at all zoom levels and also appears in the History list together with its exact position. The colour of the pin is automatically selected by Binatone Carrera.
- **Unpin**: remove the pin near or at the Cursor. This menu point replaces Pin and is available only if the selected point is near or at a pin.
- **POI**: opens the list of POIs near the selected point. These are the POIs shown in the Popup Info window. This menu point is only available on the Map screen. If you want to add a new POI at the cursor, you can do so by tapping Add POI in the bottom left corner. You can also add a new road safety camera if you tap Add Cam, and set the parameters (type, direction, and speed). If a camera already exists near the cursor, this button is inactive, and you can change the parameters of the camera by tapping it in the list.

No. 16 - Current street
This field of the Cockpit screen shows the name or number (as available) of the current street or road you are driving on.
Tip: Some roads have an alternative name (or number). This is normally shown together with the primary name in this field. You can hide these alternative names in Map settings.

No. 17 - Travel and Route data
The contents of these three fields are different when cruising (without an active route) or navigating (following an active route).
While cruising, the fields show the present speed, the current speed limit and the time of day.
While navigating a route, these fields show the estimated time needed to reach the destination (ETE), the distance to destination, and the estimated arrival time at the destination (ETA) by default.
You can choose what to display in these three fields during navigation, by going to Advanced settings / Display Options (Page 86). See the following list for your options. The only restriction is that you cannot select a value that already appears in another field. The possible field contents are:
- Distance to destination (default value for the left field)
- Time to destination (estimated time en route, default value for the middle field)
- Distance to next via point
- Time to next via point
- Time to next manoeuvre (next route event)

• Speed
• Speed limit
• Arrival at next via point
• Arrival at destination (default value for the right field)

No. 18 - Distance to next turn

This field shows the distance to go before reaching the next route event (turn, roundabout, exit, etc.)
This field is only displayed when navigating a route.

No. 19 - Next street / Next settlement

This field shows the road or street that comes next in the route itinerary.
If you are not yet in the settlement where this next street is, Binatone Carrera will display the name of
the settlement instead of the name of the road or street. A bullet symbol will appear next to the name
of settlements to help you tell them apart from street names.
This field is only displayed when navigating a route.

No. 20 - Approaching next turn

This bar is only visible when approaching the next route event. It appears on the screen to visualise
the distance when you get closer than 300 meters (1000 feet) to the next turn, and it remains
visible till you reach the turn.
This field is displayed only when navigating a route.

Settings

Binatone Carrera provides several settings in order to let you customise the functions of the program. The Settings screen can be accessed directly from the Main menu screen and from the map screens by using the battery icon, while some of its sub-screens are accessible from other parts of the program.

General settings

These are the basic settings of Binatone Carrera .

Safety Mode

Safety mode will disable the touch screen above 10 km/h (6 mph) to keep your attention on the road. You cannot set a new destination or change the settings. When you disable Safety Mode, Binatone Carrera will warn you.

Set Favourite Destinations

You can select two of your most frequent destinations to be your favourites. You can start navigating to either of them by only two taps on the screen. The original names of these points are Home and Work.

You can rename them and specify their locations. To determine the location you can use the same Find menu options as for a route destination, and depending on that choice and the information available, the location will be shown here as a street address, a latitude/longitude position, or both.

Note: If you tap either of your favourite destinations in the Find menu before defining it, Binatone Carrera will offer to take you to this screen to set it up.

Automatic Night Colours
Using the automatic night mode, Binatone Carrera will change between the daylight and night colour schemes a few minutes before sunrise and a few minutes after sunset based on the time and location information provided by your GPS. Once you set a permanent colour scheme in the Quick menu, this automatic mode turns off. If you need Binatone Carrera to switch between colours for you again, you need to re-enable this feature.

Alerts
Tap this button to enable and fine-tune user alerts. A new window opens with the options.

Warn When Speeding
Maps may contain information about the speed limits of the road segments. Binatone Carrera is able to warn you if you exceed the current limit. This information may not be available for your region (ask your local dealer) or may not be fully correct for all roads in the map. This setting lets you decide whether you want to receive the warnings or not.

Speeding tolerance
Binatone Carrera will warn you when you exceed the speed limit by the amount specified here. Select whether you want to specify the tolerance as a Fixed value (offset to the speed limit) or as a Percentage. The slider will change depending on which mode you have chosen.
Both positive and negative values can be given in either offset or percentage mode.

Alternative speed limit

If the speed limit of the current road segment equals or is above this limit, the speed warning will use the alternative tolerance instead of the previous one.

Move the slider to its rightmost position to turn off the alternative speed warning. Then the settings of the upper slider will determine the warning for all roads.

Alternative speeding tolerance

If the speed limit of the current road reaches the value set at Alternative speed limit, this setting will replace the basic one set at the top of this screen. The slider and the selector work exactly as the basic ones described here: Page 74.

Example: to let you better understand how this feature works, here is an example. If you use the settings +10 km/h – 100 km/h – +5%, Binatone Carrera will warn you when driving at the following speeds:

Speed limit	Warning at
40 km/h	50 km/h (=40 km/h + 10 km/h)
60 km/h	70 km/h (=60 km/h + 10 km/h)
90 km/h	100 km/h (=90 km/h + 10 km/h)
100 km/h	105 km/h (=100 km/h + 5%)
120 km/h	126 km/h (=120 km/h + 5%)
160 km/h	168 km/h (=160 km/h + 5%)

Map settings

You can set a few parameters determining the appearance of the maps in Binatone Carrera.

Daylight / Night colour profile

Binatone Carrera comes with different colour schemes for both daylight and night use. There is always one selected daytime scheme and one selected night-time scheme. Binatone Carrera uses these when switching from day to night and back.

Tap the appropriate button and select a new scheme from the list.

Alternative Road Names

Some highways have an international name or number for foreign travellers. You can decide whether to show only the local name or both.

Show Street Labels

You can set whether or not to see the names of the streets and the POI icons on the map when driving. Based on the current zoom and tilt levels, street names are displayed either aligned with

the street or on signposts stuck into the streets. If you switch these signs on, it will be easier to recognise your location on the map, if you turn them off, it will be easier to see the road geometry. Note: You can only disable street names and POI icons if Binatone Carrera follows your position. As soon as you move the map and Lock-to-Position is disabled, street names and icons become visible again. Tap Follow to re-enable Lock-to-Position and have the labels and icons disappear again.

Textured Polygons
Enable textured polygons, and have rivers, lakes, forests and other large objects displayed in a more realistic and attractive way on the map.
Disabling it will lead to uniform areas but better performance for old PDA devices with a slow processor.

Sound settings
Settings on this page determine the way Binatone Carrera sounds.

Note: The Mute function accessible from the map screens overrides the settings on this screen. When Binatone Carrera is muted, all sounds disappear. These settings will not be changed; only the output will be muted temporarily.

Master sound volume/switch
The loudness of Binatone Carrera is independent of your PDA settings. When you run Binatone Carrera the position of the fader determines the device volume level. When you exit the program, the device settings return. The left part of this control works as a mute button. Tap to mute all Binatone Carrera sounds. This works in tandem with the Mute button on the map screens. Switching one of them will change the status of the other.

Voice guidance volume/switch
The switch on the left can turn on or mute Binatone Carrera's audible guidance. When turned on, the slider on the right will adjust the loudness of voice prompts. In its leftmost position the voice guidance is suppressed, in its rightmost position the master volume applies.

Key sound volume/switch
The switch on the left can turn the key sounds on or off. Key sounds are audible confirmations of either pressing hardware buttons or tapping the touch screen. When key sounds are turned on, the slider on the right will adjust their loudness. In its leftmost position the key sounds are suppressed, in its rightmost position they are played at the master volume level.

Note: The sound effects of binatone carrera are context sensitive. They will be different if, for example you open or close a window, or you enable or disable a setting. They will even let you know if you have entered enough letters of a street name to have a short list of matching streets on the screen.

Dynamic Volume

When driving at high speed, the noise in the car may be too loud to clearly understand the voice guidance messages and to perceive the key sounds. Using Dynamic Volume you can instruct Binatone Carrera to increase the volume when your speed exceeds a certain minimum, and reach its highest volume (determined by the Master volume slider in Sound settings) at the given maximum speed. Tap the Dynamic Volume button to turn on the feature. This will also open the screen where you can set the minimum and maximum speeds.

Attention Tone

If this is set to Disabled, the voice guidance will sound without a preceding attention tone. Setting it to Single Tone will initiate a single attention tone before the instructions, while Double Tone will use a double tone.

Route parameter settings

This is a very important page. Settings here determine how routes will be calculated. This screen is directly accessible from the Route Information screen.

Method

Use the handle to set the speed of the route calculation. In the leftmost position the route may not be optimal but the calculation will be very fast. Sliding it to the right will result in more accurate routing in an increased amount of time.

Note: Since Binatone Carrera calculates routes very quickly, the position of this slide is only used for long routes Short routes are always calculated to give you the optimal result independent of the slider.

Route

Here you can choose from three different route types.

- Short: Choosing Short will result in a route that has the smallest total distance of all possible routes between the given points. This is usually preferred by pedestrians, cyclists or slow vehicles.
- Fast: Choosing Fast will result in the quickest possible route, given that you can travel at or near the speed limits on all included roads. This is usually preferred for fast and normal cars.
- Economical: This setting is a wise combination of the previous two. Although basically going for the fastest solution, if there is another route taking a bit more time but a lot less distance compared to the fastest one, Binatone Carrera will choose this one instead to save fuel.

Vehicle

You can set the type of the vehicle that you will use to navigate the route. Based upon this setting, some of the road types will be excluded from the route (e.g. motorways for pedestrians), or some of the restrictions may not be taken into account (e.g. emergency vehicles have no restrictions). Furthermore, when Bus or Lorry is chosen, the program assumes that high speeds cannot be achieved, and this information is taken into account when calculating the route, the estimated time enroute (ETE), and the estimated time of arrival (ETA).

Available values:

- Car
- Taxi
- Bus
- Lorry
- Emergency
- Pedestrian
- Bicycle

Road types to include/exclude

To let the route fit your needs you can also set which road types are to be considered for or to be excluded from the route if possible.

Note: Excluding a road type is a preference. It does not necessarily mean total prohibition. If your destination can only be accessed using some of the excluded road types, binatone carrera will use them but only as much as necessary. In this case a warning icon will be shown on the Route Information screen, and the road not matching your preference will be displayed in alternate colour on the map.

Unpaved Roads: Unpaved roads are excluded by default, as they can be in a bad condition and you usually cannot reach the speed limit on them.

Motorways: When driving a slow car or towing another vehicle, you may prefer not to take motorways.

Ferries: The accessibility of temporary ferries is not necessarily included in the map data. Furthermore you may need to pay fare, so you may consider disabling them from the preset enabled status.

U-turns: Although displayed amongst road types, this is a type of action. Most drivers prefer to replace them with a few normal left and/or right turns in the next few junctions, so it is disabled by default.

Turning back on dual carriageways is not considered as a u-turn.

Note: If you are not totally against u-turns, leave them on here, and add a certain penalty (equivalent extra distance to travel) in Advanced settings Route options.

Note: Via points are handled as stopovers with regards to u-turns. It means disabling u-turns on this page will avoid u-turns during the entire route if possible, but when reaching a via point, the following part of the route may be planned starting in the opposite direction.

Permit needed: To use some roads or enter some areas you may need special permit or permission from the owners. These roads are excluded from your routes by default. Use this switch if your vehicle is authorised to enter.

Toll Roads: Toll roads are included in your routes by default. If you wish to travel more to avoid paying a toll, disabling them will make Binatone Carrera plan the best toll-free route for you.

Note: You have a few more ways to influence routing and route recalculation in Advanced settings Route options.

Language & Units
Here you can set the languages, measurement units, and date and time formats used by Binatone Carrera.

Program language
This button displays the current written language of the program. By tapping the button you can select from a list of available languages. Binatone Carrera will have to be restarted if you change this setting. Binatone Carrera will ask for confirmation before it restarts.

Voice language
This button shows the current language of the voice guidance. By tapping the button you can select from a list of available languages and speakers. Tap any of these to hear a sample voice prompt. Just tap OK when you have selected the new spoken language.

Units
You can set the distance units to be used by the program. Binatone Carrera may not support all of the listed units in some voice guidance languages. If you select a measurement unit that is not supported by the chosen voice guidance language, you will see a red warning message under the selector.

Set Date & Time Format
You can set the date and time format displayed by Binatone Carrera. Various international formats are available.

Advanced settings
These screens let you set a large number of different advanced settings and initiate some special functions. These settings and functions are divided into groups.

Tap on any button to set the corresponding parameters. They all open new windows where you can make your desired changes.

Display options
These settings determine how Binatone Carrera displays different content elements or how it presents the screens.

2D in Map mode (and North-up orientation)
The normal use of the Map mode is to browse the map and look for different places on it. It is usually done in a top down view having north towards the top of the map. By default Binatone Carrera uses the same look for the map in both Map and Cockpit modes.

Use this switch to instruct Binatone Carrera to always open the Map mode in 2D with North-up orientation for map browsing purposes.
Note: You will still have the possibility to rotate and tilt the map, but the map will return to 2D mode whenever Map mode is started.

3D in Cockpit mode (and track-up orientation)
The normal use of the Cockpit mode is cruising or navigating, when the road lying in front of the driver is the most important part of the map. It is usually done in a 3D view with the current direction towards the top of the map. By default Binatone Carrera uses the same look of the map in both Map and Cockpit modes.
Use this switch to instruct Binatone Carrera to always open the Cockpit mode in 3D with Track-up orientation (automatic map rotation) for driving purposes.
Note: You will still have the possibility to switch the map to 2D view or north-up orientation, but the map will return to 3D mode with map rotation whenever Cockpit mode is started.

Zoom in after find
When this switch is turned off, Binatone Carrera will centre the map to the location selected in Find but will not change the zoom level. If you turn this switch on, Binatone Carrera will also zoom in to the selected point. The zoom level in this case depends on the type of object you have searched for. For example in the case of a city search, the zoom level will show you the whole settlement or at least a significant part of it around its centre. Selecting a POI, a junction or an exact address will give you a closer look with only a few streets on the display.

Coordinate display format
Positions are sometimes displayed with their addresses, and sometimes with their coordinates. This setting lets you choose between displaying coordinates in degrees (dd.dddddd); degrees and minutes (dd mm.mmm); or degrees, minutes and seconds (dd mm ss.s).
Note: the coordinate display mode is independent from the coordinate input in Find menu. You can use all three formats freely on the coordinate input screen.

Cockpit screen layout
There are three route data fields at the bottom of the portrait Cockpit screen, or on the left of the landscape Cockpit screen.
Their content is fixed in Cruise mode (when there is no active route), but for Navigation mode you can change their content on this screen.

Backlight settings
Here you can set how the display backlight behaves when using Binatone Carrera.
These settings are independent of the settings of the other applications of Pocket PC.

Power management : At the top of the screen you can set how the backlight will behave when the screen has not been touched for a while.

• Backlight always on: You can choose to have the lights always on.

• Smart powersave: You can also initiate this special feature of Binatone Carrera. When running on battery, Smart Powersave will light up the screen only when you press or tap a button, or if Binatone Carrera has something to show you. After a few seconds the light level decreases, and after another few seconds the backlight turns off. This helps you achieve a longer battery life.

Brightness

You can set the backlight level separately for both daylight and night modes, thus enhancing the effect of the night colour scheme.

The values are between 0 and 10, where zero means there is no backlight at all, and 10 represents the maximum backlight value.

Smart Zoom

Smart zoom is a lot more than just a usual automatic zoom.

While navigating a route: when approaching a turn, it will zoom in and raise the view angle to let you easily recognise your manoeuvre at the next junction. If the next turn is at a distance, it will zoom out and lower the view angle to be flat in order to let you see the road in front of you, or it can even switch to an Overview mode to let you follow your position on the map.

While cruising: if there is no active route and you are just driving, Smart Zoom will zoom in if you drive slowly and zoom out to the limit set here when you drive at high speed.

These automatic features can be set up on this screen.

Smart Zoom settings

You can set how close Smart Zoom can zoom in when approaching the next turn (Zoom-in limit), and the maximum zoom level to zoom out when the next turn is further away (Zoom-out limit). The

default values are set to be optimal in most cases.

Enable Overview mode
You can configure how the Overview mode is triggered when the next turn is at a distance.
The Route event distance will determine when Binatone Carrera switches to the Overview or back to the Navigation view.
The Overview zoom level will determine the fixed zoom level of the map in both automatic and manually selected (by the Map orientation icon) Overview modes. You can change the zoom level manually at any time (the Follow button will not be displayed), but when you enter the Overview mode again, the zoom level will be reset to this value.
You can also move the map in Overview mode. Then the Follow button will appear, and when pushed, it will move the map to have your current position in the middle again.
On the other hand you are not allowed to rotate the map in Overview mode. This mode is a strictly north-up orientated mode.
Note: when this automatic feature is disabled, you can still enable the Overview mode manually.

Restore Lock-to-Position and Smart Zoom
As described at the hardware buttons and the map screen functions, you can move, rotate, tilt and zoom the map during navigation. In these cases a Lock icon (Page 39) appears on the screen.
As already mentioned, you can move, tilt and zoom the map during navigation. In these cases a Lock icon appears on the screen.
When you rotate, tilt or zoom the map, that part of Smart Zoom is automatically deactivated. The map will still follow your position, but will not change the view parameter you have modified. You can return to the full Smart Zoom mode by tapping the Follow button.
If you move the map, all parts of Smart Zoom become deactivated, and the view freezes. Tapping the Follow button makes Binatone Carrera follow your position again (Lock-to-Position) and also re-enables Smart Zoom.
You can make Binatone Carrera push the Follow button for you automatically after a few seconds of inactivity. This functionality and the related parameters below apply to the Cockpit screen only. The Map screen will wait for your action.

Restore Lock-to-Position
Turn this switch on if you want Binatone Carrera to return to your current GPS position after you have moved the map during navigation. This is useful if you have moved the map accidentally, or if you have moved it to quickly check something near your route.
After a certain timeout set below, the Follow button disappears, and the map immediately jumps back to show your current position.

Restore Smart Zoom
Use this switch if you want Binatone Carrera to re-enable Smart Zoom after zooming, tilting or rotating the map during navigation. This is useful if you have changed the view accidentally, or you modified it to quickly check something near your route.
After a certain timeout set below, the Follow button disappears, then Smart Zoom changes the view back for navigation. Unlike with Restore Lock-to-Position, the view changes smoothly.
Note: Smart Zoom can only be re-enabled when it is activated at the top of this page. With Smart

Zoom turned off, neither does the Follow button appear, nor will the view return to its previous state if you zoom or tilt the map.

Delay before restoring
You can set the timeout for both Restore Lock-to-Position and Restore Smart Zoom here. Shorter delays are best if you tend to accidentally change the map display, but you may prefer a longer delay if you often look for things around your position while driving.
Remember to only look at the display if it is absolutely safe to do so.
Note: If you push the Follow button before the automatic Lock comes into effect, Smart Zoom and Lock-to-Position will be re-enabled instantly.

Route options
You can set the basic route parameters on the Route Parameters settings screen described. On this screen you have some more ways to influence route planning and route recalculation.

Off-route sensitivity and Recalculation delay
Depending on the quality of your GPS device, the GPS antenna location in the car and the environment you are driving in, route recalculation can behave differently. Binatone Carrera may think you have departed the proposed route and perform a recalculation even if you have not done so. When the GPS reception is poor (e.g. driving in an urban environment with a low sensitivity GPS), occasional wandering (called position fluctuation) of the calculated GPS position is likely. Although Binatone Carrera employs a sophisticated Lock-on-Road system that will mostly suppress these position errors by aligning your position to the recommended route and the road network of the map, sometimes the errors are too large to correct.
To reduce the effect of large errors, you can increase the recalculation tolerance two ways.

Off-route sensitivity
This is a range of relative values from 0 to 10, telling Binatone Carrera how far the GPS position should be from the recommended route before the program decides to recalculate. Lower values make Binatone Carrera insensitive to position errors; higher values will result in quicker reactions.

Recalculation delay
This is a setting that helps suppress the effects of position fluctuation. With a few seconds delay in recalculation even large position jumps can be survived without a need for route recalculation.

U-turn penalty
You can fine-tune the way Binatone Carrera takes U-turns into account when planning a route. You can tell Binatone Carrera.

how much extra distance you would travel to avoid a U-turn.
Note: This value is taken into account only if U-turns are enabled in Route Parameters.

Cross-border planning
By default Binatone Carrera plans routes using the border crossing points. However, if you live near the border, you can disable border crossing with this switch to remain within one country.

Keep position on road (Lock-on-Road)
Binatone Carrera is normally used for vehicle navigation, therefore Lock-on-Road will display the position arrow precisely over roads, seamlessly correcting small GPS errors. For pedestrian use you may consider disabling Lock-on-Road to make Binatone Carrera always show your exact position.
Note: By turning off Lock-on-Road you also turn off the GPS position error filtering. The position shown on the map will be subject to all position errors and position fluctuations.

User data management
Everything that was saved (pins, My POIs, Favourites, track logs etc.) or modified (Settings, History lists) since Binatone Carrera was installed is stored in a user database located in the internal memory of the Pocket PC. Here you have options to save, restore or reset the database or parts of it.

You can make a safe copy of the whole user database on the memory card.
Tap this button to copy all user data and settings on the memory card. The backup is always created with the same file name; so backing up data will always overwrite previous backups.
Tip: If you wish to keep more versions of the user database, or you wish to save one particular state (e.g. saved POIs and track logs of your holiday), look for the backup file on the memory card, rename it, or save it to your PC.
Tip: If you move to another PND or PDA, and you wish to keep your data and settings, make a backup, remove the card, insert it into the other PND, then return to this Settings page, and push the Restore Data button as described in the next section. binatone carrera will then restart, and all your previous POIs, track logs, settings, city and find history lists will also appear on the new PND .

Restore Data
If you have accidentally deleted things, or you have created a number of temporary items and you do not wish to delete them one by one, you can tap this button to restore the state of Binatone Carrera to the latest backup.
By tapping this button you will lose all of the changes made since the time of the latest backup. Binatone Carrera will warn you about this before overwriting the current database with the backup.

Remove Pins
Normally Pins can be deleted one by one. Since they are shown at all zoom levels, and you may end up having too many of them, this button lets you delete all of them together. Binatone Carrera will warn you that you are about to lose all your Pins.

Clear Data
This button will delete all user data. It is a reset to factory settings. Tapping this button means you lose all your saved data and customised settings. Binatone Carrera will warn you about this.

Reset Advanced Settings
There are a multitude of Advanced settings in Binatone Carrera. Some changes may cause Binatone Carrera to behave in an unsatisfying manner. Tap this button to restore the default settings.

Startup & minimised
Here you can set how Binatone Carrera should behave when minimised, and how it should integrate with the operating system.

Points of Interest (POI)
The POI command opens a list of points of interest near the selected point. This is a POI list in the popup information window. To insert a new POI at the cursor position, tap New in the lower left-hand corner. This menu item will appear instead of "Add POI" and is only available in map mode if at least one POI is located near the cursor.

Add POI
POI opens a new POI data window allowing you to add customised points of interest to the list. This menu items is only available in map mode and only if no POIs are located near the cursor (for example, if there is only one address displayed in the popup information window).

Manage my POI (POI = Point of interest)

In this figure Services is an active category. It can be hidden by tapping Hide.

The maps of your navigation system contain plenty of POIs. If all POIs would be displayed simultaneously, the map view would be confusing. In order to avoid this, you can set the POIs to be shown and those to be hidden.

In the figure, the category Sports Recreation is hidden and can be displayed by tapping Show.

The disabled category Transportation is greyed-out, the other categories are enabled and appear in blue.

Good to Know
For a very detailed description of POIs, see the menu Find => POI (see page 95).

Create NMEA/SIRF Log: Logs the original GPS data. The Info submenu offers tracking information. Here you can:
❑ Rename the route logging and assign a descriptive name via the keypad.
❑ Fit to screen, e.g. display the entire route on the map.
❑ Export the track logging data onto the SD card.
❑ Establish the colour for the track logging on the map.

Route Menu

Route Menu
This menu contains many route parameters
setting options. It also features some options on
how to obtain information on routes.
❑ From the map view you can access the
Route menu via the Route button in the
upper left-hand corner.
❑ From the Cockpit view you can access the
Route menu via the Route button in the
Find, Settings or Route menu.

Route Recalculation
This menu item is available only when there is an active route and it is possible to determine the
GPS position. It opens a menu screen containing four options. Each of these options lets you
modify the active route.

Recalculate
This function repeats the route calculation based
on the same settings as before. This option is to
be used when the automatic Off-route
recalculation has been disabled. You can use
this function while driving parallel to a suggested
route.
In this case it can take a while for the program to
recalculate, so you can have it recalculate the
route manually.

Good to Know
**This submenu opens automatically upon each route recalculation as long as the
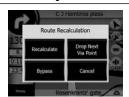option has been enabled under Settings => General => Off-route Recalculation.**

Bypass
Whenever you encounter a traffic jam or a
closed road you can have the program
recalculate a route to circumnavigate this
situation as quickly as possible.

However, you must specify a minimum distance
after which you want to re-join the original route.
Choose a distance that is suitable for the
present traffic problem.

Good to Know
This function has been designed to offer an alternate route for the next route segment. To modify route segments later on or to avoid certain roads or junctions, use the function Avoid from the Itinerary menu. When using this function, the program will avoid this section of the map until you delete the route manually or restart the navigation device.

If no waypoints are available (only the destination), the button label will change to Delete Route. Clicking this button also stops navigation.

Delete Next Waypoint/Delete Route
You can change your route in a way that the next waypoint will be ignored if you decide you don't want to go there any more.

Good to Know
The function Delete Route has a special function when using the option Avoid. As soon as you reach your destination the route will be deleted. But while planning a route, all roads, manoeuvres and places that you had avoided in the previous route will also be avoided. Therefore, tap Clear to erase the previous route with all restrictions.

Cancel
This command brings you back to the map screen without recalculating.
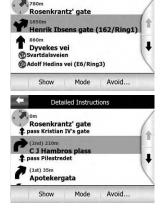
Itinerary
❑ This functions opens an itinerary description (list of route events) for the active route. The menu Itinerary offers three different detailed lists and two functions. The different route event lists differ by the number of events they contain. The different list items always appear with all available information, i.e. with icons of the required manoeuvres as well as the distance to the route event.

❑ The itinerary description is updated continuously while navigating. The list item you are currently navigating on will be the highlighted one until you tap on a different

Detailed Instructions
This list will appear when you open the Itinerary. It is a detailed event list.

Instructions
When tapping the Mode button once, a list of events will open that requires greater attention on your part, e.g. a list of manoeuvres along the route. These events will appear in the manoeuvre preview and will be announced along with audible events.

Route Summary
Tap on Mode once again to obtain a route summary that lists only the major roads and road junctions.

Avoid
You can avoid a list item (for instance a motorway segment that is prone to traffic jams or a difficult road junction). Simply tap the desired item on the route list. The following options are available:

Show

When enabling a route segment and tapping on Show…

... …the route segment will appear immediately in Cockpit view.

Manoeuvre:

The Manoeuvre option avoids the marked place. For instance, if you feel a turn will be too difficult during rush hour traffic, the program will recalculate your route without that turn.

Road:

If you exclude a specific road, MyGuide recalculates the route without this road. This function is very useful for going around traffic jams or when you have heard a traffic message broadcast announcing that the road has been closed.

Distances:

The list also contains several distance buttons. Their function is similar to those in the list contained under the menu Recalculate => Bypass, but here you can use them for distant route segments. In our example a 30km-long motorway segment will be replaced by a national road via Road => 30 km.

Edit
Tap Edit to show all routes. You can edit the list in the following way:

Add:
This allows you to add a new route.

Delete:
This allows you to delete the selected route. Warning: the program will delete it without prompting you.

Optimise:
This will optimise the waypoint order. Up and Down: these buttons allow you to sort the list by moving the selected item up or down.

In our example a new route is added. After tapping the Add button the Find menu will appear, allowing you to define a new route.

Delete

Tap on Delete to permanently erase the active route including all points (starting points, waypoints and destination). The program will prompt you prior to deleting. The function has a special role when you have been using the option Avoid. Once you have reached your destination the route line will disappear from the map and the navigation is cancelled. At this point, the route is erased: however, when planning a new route, all roads, manoeuvres and places that you had avoided in the previous route will also be avoided. Therefore, tap Clear to erase the previous route with all restrictions.

ENTERING DESTINATIONS AND ROUTE
PLANNING

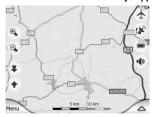There are generally two ways to specify a destination:

"Find and Go" from the Main Menu

This is the most frequent method used offering the best possibilities to distinguish items when entering the destination. The Find dialog box will appear and, as soon as you have specified your destination, the program toggles to Cockpit view and starts navigating.

Direct Selection on the Map

You can also set the destination by using the map. Just browse to your destination and tap on it to start navigation.

Direct Destination Selection by Tapping on the Map

1. Map View

Choose the Overview (aircraft icon) from the map view.

2. Zooming out

Drag the scale on the left to zoom out the map until you see your destination.

3. Set Cursor

Highlight your destination "Vienna" with the cursor.

4. Activate the Route
Tap Route To to activate the route you have just entered.

5. Start
Toggle to Cockpit view to start.

6. Route Information
Under Route Information you can view the most important details of your journey.

Selecting a Destination via " Find and Go " - Using the find menu

Navigation Main Menu
The Navigation main menu contains all necessary tools for comfortable navigation.

Find and Go => Find
Tap the button "Find and Go" to open the Find menu. Here, the following options are available:
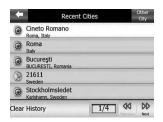
- ❑ **Address**: This submenu allows you to enter the exact destination address.
- ❑ **History:** Here you can choose from a list of destinations/routes and activate them.
- ❑ **Coordinates:** Here you can enter the geographic coordinates of your destination or any point.
- ❑ **Points of Interest (POI):** The POIs offer plenty of default and user-defined destinations.
- ❑ **Favourites Home and Work:** The most frequently used destinations can be selected by simply tapping a button.

Entering a Destination via Address

1. Address
Open the Address submenu.

2. Select City
At this point you can choose a destination from an already-existing route (called Recent Destinations) or select a different city via Other City in the top right.

3. Other City
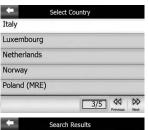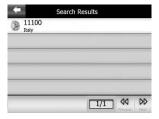If your destination is located in your country, enter the name of the city via the keypad. If this is not located in the country you are currently in, you must first go to "Change Country" (top right).

Select Country	
Italy	
Luxembourg	
Netherlands	
Norway	
Poland (MRE)	
	3/5 ◁◁ Previous ▷▷ Next

4. Select Country

If behind the country name you see the code "(MRE), Major Roads Europe", only the major roads have been installed for this country.

Search Results	
⊚ Roma _Italy_	
⊚ BORGO ROMA _Cesena, Italy_	
⊚ Villaggio Roma _Torviscosa, Italy_	
⊚ Campagnano di Roma _Roma, Italy_	
⊚ Cervara di Roma _Roma, Italy_	
Show districts	1/26 ◁◁ Previous ▷▷ Next

5. Enter city

After you have typed a few letters of your destination, a city list will appear. Here you can browse the search results and also view the Outskirts belonging to a selected (highlighted) city (see the button in the lower left-hand corner).

Select City / Italy	Change Country
<Enter Name/Postcode>	>300

1	2	3	4
5	6	7	8
9	0	← Keys	Done

6. Enter Post Code

Tap Keys to toggle to the numeric keypad. Here you enter the post code.

Search Results	
⊚ 11100 _Italy_	
	1/1 ◁◁ Previous ▷▷ Next

7. Select Post Code

Select the city with this post code.

8. Enter the Street

Enter the name of the street via the keypad. It is sufficient to type a few letter only, even if the name is composed of several words. For "Via 15 Novembre", type "V", "i", "a".

9. Enter the Street

Browse the search results and confirm your selection to exit the list.

10. Enter the Street Number

- Tap Keys to toggle to the numeric keypad. Here you enter the street number. For "Via 15 Novembre" the street numbers 1 to 27 are available.
- If you don't know the street number, select Find Intersection in the top right.

11. Select an Intersection

The program will show you a list of intersections with the previously selected street. After you have selected the desired intersection, you have entered your destination and are ready to go.

12. Start
... Toggles to Cockpit view to the beginning of the route.

Destination Selection via " Recent Destinations ", Route List

1. Recent Destinations
Enable the "Recent Destinations" button from the Find menu. A list of already travelled routes, pins and POIs will appear. Usually the destination includes all data: post code, city, street and street number as well as coordinates. Tap the desired destination and the view will change…

2. Destination View and Info
... to the destination view with a blinking cursor and information. The Cursor menu (below) will only appear for a few moments. Tap Route To and the program starts navigation.

3. Start

When starting navigation the cockpit view with the map section of the first route segment and some route information will appear.

4. Warning Message

Under certain circumstances the following warning may appear. For instance, this can happen if you have selected a vehicle (Car, Lorry, etc.) under Settings => Route Settings but the destination lies in an area reserved for pedestrians only.

Entering a Destination via Coordinates

1. Open Coordinates

You can enter your destination by entering its geographic coordinates. These have to be entered as longitude and latitude.

2. Pick Coordinates from Map

The easiest way is to use the cursor or a POI (place the cursor on the POI) to pick up the destination coordinates. The Coordinate menu shows the current GPS position to the cursor position.

3. Select the Destination

In this example we select the Cathedral in Cologne.

4. Coordinates Window

The Coordinates window shows the longitude (N/S) and latitude (E/W) of the values determined by the cursor/POI.

5. Destination View

The program toggles to map view displaying information and a blue destination flag. Tap Route To to start navigating.
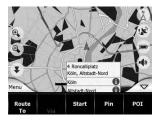
6. Pedestrian Precincts

Tap Route menu => Itinerary => Show to view information about critical route segments. The route segment in front of the destination in this map is a pedestrian precinct not accessible to vehicles.

1. Enter Coordinates

If you know the geographic coordinates of your destination, enter the latitude in the left window and the longitude in the right window. The "E/W" switch toggles between latitude East (East of Greenwich meridian, like Germany Austria, Switzerland) and West (like Portugal, Spain and part of France).

2. Destination View

After entering the coordinates the destination will be presented on the map. Tap Route To to start navigating.

Entering a Destination via POI

1. Points of Interest (POI)

You can choose a destination from one of the many default or user-defined POIs.

2. Find POI

The search takes places in a radius around a specific reference point (specified in the green field on top). By default, the reference point for Find POI is the current GPS position, if available. Otherwise it is the the cursor, if no accurate GPS tracking is available.

3. POI Location

To change the reference point tap "Change ref." In the upper right-hand corner of the screen (see figure in step 2). You can select between the choices printed here. "Cursor" requires you to have selected a point on the map, "Current GPS" requires that GPS tracking is available, "Destination" requires that a route destination has been activated.

4. Address

If you select Address, enter an address via the keypad to search for nearby POIs.

5. Coordinates Input

If you select Coordinate, enter the geographic coordinates via the keypad to search for nearby POIs.

6. History

If you select Recent Destinations, select a destination from the list to search for nearby POIs.

7. New POI Reference

For example, the upper-right field of the dialog box will show Cursor as POI reference, thus all POIs located near the present cursor position will be listed to choose from.

8. New POI Reference

Here you see a POI reference that has been selected from the Recent Destinations list. The search takes place around the selected destination.

9. Search

When tapping a main category like Shopping, the corresponding sub-categories appear. The active sub-category will be highlighted. Tap the Search button in the lower left-hand corner to search in this sub-category.

10. Search

The keypad will appear.

11. Search

Enter a search criterion and tap Done.

12. Search Category Listing
A list for the searched category will appear. The search results are sorted by distance from your reference point (the closest appears first).

6.1km	ICA-Hallen Husby 24 Edvard Griegsgången, Stockholm 16432 Sweden
7.3km	Salén huset 48 Regeringsgatan, Stockholm Sweden
268km	Hemköp Hudiksvall, Västra... 13 Västra Tullgatan, Hudiksvall 82430 Sweden
268km	Hemköp Hudiksvall Hudiksvall Sweden
271km	Expert Radio Foto Huskvarna 24 Erik Dahlbergsgatan, Huskvarna 56132 Sweden

Search   1/1

13. Main Category
When tapping the main category…

Around Stockholm-Bromma Airport
Flygplatsinfarten 16867 Stockholm

My POI / Services / Transportation / Shopping / Entertainment / Culture

Search   All   1/2

14. Sub-categories
... a list of groups belonging to the main category appears. Enable one of the sub-categories (highlighted) and tap All.

Around Stockholm-Bromma Airport
Flygplatsinfarten 16867 Stockholm

Terminals / Airport / Ferry Terminal / Railway Station / Parking / Rest Area

Search   All   1/1

15. List
The full list of this sub-category will appear.

2m	Stockholm-Bromma Airport Flygplatsinfarten, Stockholm 16867 Sweden
32km	Terminal 3 Sigtuna Sweden
32km	Terminal 2 Sigtuna Sweden
33km	Terminal 4 Sigtuna Sweden
33km	Terminal 5 Sigtuna Sweden

Search   1/2

16. Make Your Selection
Tap the desired item to select it. Information about this destination will appear. Tap OK to confirm your selection.
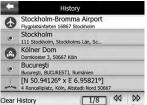
17. Start
The program starts navigating.

18. Route View
Under Route menu => Itinerary you can view route segments. In this example it is the final route segment.

19. Recent Destinations
The route will be added immediately to "Recent Destinations", a route history list.

Entering a Destination via Favourites

1. Selecting Favourites
If you have already set up your favourite destinations under General Settings you may select any by tapping on it. If you use the "Find and Go" function from the main menu, tap twice on the screen to start navigating to a favourite destination.

2. Home - Work
You can add an address for each of these two favourites. To enter the address for Work, tap Change address.

3. Entering the Work Address
The Find menu appears, assisting you in finding your work address.

4. Home Address
The following screen shows the Home favourite in 2D view.

SOME NAVIGATION EXAMPLES

Navigating a Route with Two Waypoints

1. Enter a Destination via "Find and Go"
First enter the destination city. If you only know the post code, tap Keys to toggle to the numeric keypad and enter the postcode.

2. Enter the Street
To enter the street name "Princess Grace Palace" simply enter "P, space, G, space, P". The program will locate the street in the database.

3. Enter the Street Number
Next to the <House Number> field you'll find a list of street numbers contained in the database.

4. Start Navigating
As you have defined your destination via "Search and Find" the program will directly jump to the route starting point and Cockpit view once you have entered your destination. On the left you can see important information on your route.

5. Finding Waypoints

While on the way to your destination you decide to go to a pharmacy. To do so, search a Pharmacy POI in the zoomed map view along or near your route.

6. Inserting Waypoints

Place the cursor at the POI position on the map. Detailed information will be shown. Tap on Add Via and the pharmacy will be saved as a waypoint. Don't tap Route To, otherwise you'll delete your route to the destination.

7. Refreshing the Map View with Waypoint

The waypoint will be marked by a white flag on the map.

8. Another Waypoint

And now you have to refuel on the way to your destination. Again, you can use the POI database. To do so, search a Petrol Station POI in the zoomed map view along or near your route. Tap on Add Via and the petrol station will be saved as a waypoint.

9. Total Route Map View

The map view with the entire route contains a blue flag for your starting position, two white flags for the two waypoints and one red flag for your destination.

10. Route Information

Before you go, read the Route Information (Menu => Route => Info). Here you can see a summary of information on your route. The straight route segment on top shows two waypoints.

❑ Start (bottom left): detailed graphical representation of the first manoeuvre (turn right) with distance (84 m) to the manoeuvre.

❑ If no critical items exist along the route segment, the map automatically toggles to Overview mode (see figure below).
At the same time, a voice will guide you.

11. First Waypoint
The bright green segment represents the active route, the dark green segment represents the route that is not active yet that comes after the waypoint.

12. Second Waypoint
The second waypoint along your route leads you to the petrol station.

13. Route Information
Read the Route Information for the last route segment (Menu => Route => Info). Here you can see a summary of information about your remaining route. The straight route representation on top does not show any waypoints but only the remaining track to your destination.

14. Roundabout
Just before reaching your destination you approach a roundabout. The graphic representation on the top left indicates that you have to take the seventh exit (roundabout icon with a 7 in the centre).
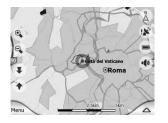

15. Arrival at Destination
Only 160 m left to destination: The destination flag appears in the upper left-hand corner.

OFFLINE ROUTE PLANNING

Planning a Route without GPS Position

1. Set your Starting Point
You want to plan a route while at home. As for offline route planning without any GPS signal you only need the on-screen map. From the main menu select the map mode and set the cursor at the starting point on the map.

2. Find Your Destination
Search for the destination city in "Recent Destinations" (or enter it via the keypad) and enter the street name and number. Tap Route To to enable the route from the cursor position to the destination. As you have no GPS reception and didn't enter you destination via "Find and Go" the route will not be activated automatically.

3. Inserting Waypoints
Instead of going directly to your destination you want to visit St. Peter's Square in Rome. Under POIs look for St. Peter's Square, tap the POI and confirm by tapping Add Via. (Then toggle to Remove Via in the menu). The last segment is not allowed for vehicles (red segment). The active route (bright green) leads you to the waypoint.

FREQUENTLY ASKED QUESTIONS

I can't find an address.
Please make sure you have correctly spelt your entry. If you do not know how an address is spelt correctly, simply enter the parts of the address, you know for sure (e.g., "Lond", "Leic" for Leicester Square in London). Then browse the results list and look for the address. Also make sure that the city in which you are looking for an address is correct. Sometimes the official postal address differs from the address you are looking for. In that case, search for a known address nearby and browse the map.

The map contains an error / POIs are missing.
If you detect an error in the map data (e.g., a street is missing completely), we would like to inform our map data provider. Please let us know via www.binatonecarrera.com.

I am experiencing problems getting a GPS fix.
If you have problems getting a satellite fix with GPS (you can see how many satellites are being received by going to the main menu and selecting GPS receiver), please make sure you are outside and the GPS antenna has good 'visibility' to the open sky. Some models also support an additional external active antenna. Please consult the hardware manual of your device to get further information on how to obtain a GPS fix.

Where can I get technical support?
Please refer to www.binatonecarrera.com.

Where can I get software updates?
Please contact our helpline or your retail store for information about software updates.

Where can I get additional maps and guides?
Please refer to www.binatonecarrera.com.

Technical Specifications

Display	320 x 240 QVGA Resolution 3.5" TFT with Touch Panel (Foxlink)
Processor	Centrality A3 372MHz
Software	Microsoft Windows CE 5.0 Core Version
Memory	1G Onboard NAND Flash ROM, mDOC H3 type 64 MB SDRAM (Mobile)
Card Slots	SD/ MMC Card (Memory type only)
GPS antenna	Embedded 15x15 mm patch antenna (INPAQ) External GPS connectorx1
Sound	3.5mm Stereo Headphone Jack x 1 Integrated 0.8 W Speaker
Power	1000mAH/3.7V Li-polymer battery Battery Life: 3/hr for GPS
Input	Stylus
Interface	USB 1.1
Digital frame	Digital photo stored in SD card should be displayed
Buttons	Power Button x 1 Battery switch x 1 Menu Key x 1
System / Power Indicator	Charger LED (Orange-charger/Green-finish)
Temperature	Operator:0~50 Degree Storage:-10~60 Degree
Standard Accessory	USB Sync Cable(Option) Car charger Cradle for device Holder CD, Manual(Option), Quick Guidex1
Dimension	107 (H) x 75 (W) x 17.5(D) (mm)
Weight	Below 180 g (w/ battery)